

**AMENDMENTS TO THE CLAIMS**

*Please amend the claims as follows:*

1. (Currently amended) A method comprising:  
requesting a memory address region and network boot image load data from a  
server;  
receiving the network boot image load data and a designated memory region from  
the server; and  
storing loading the network boot image load data at into the designated memory  
region.
2. (Currently amended) The method of claim 1, further comprising:  
running the network boot load data;  
jumping to [[the]] a designated memory region for an operating system; and  
initializing [[an]] the operating system.
3. (Currently amended) The method of claim 2, wherein initializing [[an]] the  
operating system comprises initializing using the network boot load data without  
use of a network bootstrap program.
4. (Original) The method of claim 1, further comprising discovering a network  
protocol identifier.
5. (Currently amended) The method of claim 1, further comprising operating  
utilizing PXE (preboot execution environment), and wherein PXE is used to  
directly load network data into system memory.

6. (Currently amended) The method of ~~[[claim 1]]~~ claim 5, wherein network data is directly loaded into system memory through use of a UNDI (Universal Network Device Interface) network interface.
7. (Currently amended) The method of claim 1, ~~further comprising loading wherein~~ the network boot load data comprises a bootloading API (application program interface).
8. (Currently amended) A method comprising:  
receiving a packet comprising a network protocol identifier from a client;  
transferring an offer packet to the client;  
receiving a request for a boot memory region from the client;  
designating a boot memory region; and  
transferring network boot load data and the designation of the boot memory region to the client.
9. (Original) The method of claim 8, wherein the client initializes an operating system utilizing the boot load data.
10. (Original) The method of claim 8, further comprising operating utilizing PXE (preboot execution environment).
11. (Original) The method of claim 8, wherein a network bootstrap program is not transferred to the client.
12. (Currently amended) A client system comprising:  
a memory; and

a bootloader, the bootloader to:

request a memory address region for the memory and network boot image

load data from a server;

receive the network boot image load data and a designated memory region

from the server; and

store load the network boot image load data into the designated

memory region.

13. (Currently amended) The client system of claim 12, wherein the bootloader is to jump to the designated memory region and start an operating system using the network boot load data.
14. (Original) The client system of claim 12, wherein the bootloader is to discover a network protocol identifier.
15. (Original) The client system of claim 12, wherein the bootloader utilizes PXE (preboot execution environment).
16. (Currently amended) The client system of claim 12, wherein network boot load data is directly loaded into the memory through use of a UNDI (Universal Network Device Interface) network interface.
17. (Currently amended) The client system of claim 12, wherein the ~~bootloader is to~~ load network boot load data comprises a bootloading API (application program interface).

18. (Currently amended) The client system of claim 12, wherein the bootloader starts an operating system without use of a network bootstrap program.
19. (Currently amended) A machine-readable medium having stored thereon data representing sequences of instructions that, when executed by a processor, cause the processor to perform operations comprising:  
requesting a memory address region and network boot image load data from a server;  
receiving the network boot image load data and a designated memory region from the server; and  
storing the network boot image load data at the designated memory region.
20. (Currently amended) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising:  
running the network boot load data;  
jumping to [[the]] a designated memory region for an operating system; and  
initializing [[an]] the operating system.
21. (Currently amended) The medium of claim 20, wherein initializing [[an]] the operating system comprises initializing using the network boot load data without use of a network bootstrap program.
22. (Original) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising discovering a network protocol identifier.

23. (Currently amended) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising operating utilizing PXE (preboot execution environment), and wherein PXE is used to directly load network data into system memory.
24. (Currently amended) The medium of ~~claim 19~~ claim 23, wherein network data is directly loaded into system memory through use of a UNDI (Universal Network Device Interface) network interface.
25. (Currently amended) The medium of claim 19, ~~further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising loading~~ wherein the network boot load data comprises a bootloading API (application program interface).
26. (Original) The medium of claim 19, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising initializing an operating system without use of a network bootstrap program.
27. (Currently amended) A machine-readable medium having stored thereon data representing sequences of instructions that, when executed by a processor, cause the processor to perform operations comprising:
- receiving a packet comprising a network protocol identifier from a client;
  - transferring an offer packet to the client;
  - receiving a request for a boot memory region from the client;
  - designating a boot memory region; and

transferring network boot load data and the designation of the boot memory region to the client.

28. (Original) The medium of claim 27, wherein the client initializes an operating system utilizing the boot load data.
29. (Original) The medium of claim 27, further comprising instructions that, when executed by the processor, cause the processor to perform operations comprising operating utilizing PXE (preboot execution environment).
30. (Original) The medium of claim 27, wherein a network bootstrap program is not transferred to the client.